Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/09/2018 09:49 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125506	0	1.38	125406	1.37
Blue	F	SSC	125000	124945	-1	3.17	125298	3.00
Blue	E	FITC	23615	22762	-4	2.55	1016	10.63
Blue	D	PE	26739	26418	-2	2.05	948	10.12
Blue	B	PerCP-Cy5-5	48339	47300	-3	3.51	1364	17.60
Blue	A	PE-Cy7	45021	44577	-1	5.38	692	36.99
Red	C	APC	53064	52333	-2	2.69	2998	9.30
Red	A	APC-Cy7	57175	56623	-1	2.71	1199	10.97
Violet	B	V450	14728	14026	-5	5.39	668	9.61
Violet	A	V500	58621	56533	-4	5.27	2497	7.30

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19357	2.65	612	-2	N/A	N/A	Pass
Blue	F	SSC	61894	1.42	558	12	N/A	N/A	Pass
Blue	E	FITC	113	38.83	548	0	0.0189	75	Pass
Blue	D	PE	207	29.84	540	4	0.1492	236	Pass
Blue	B	PerCP-Cy5-5	213	45.98	638	3	0.0091	61	Pass
Blue	A	PE-Cy7	74	126.69	696	3	0.0109	18	Pass
Red	C	APC	343	28.24	598	1	0.0214	119	Pass
Red	A	APC-Cy7	130	41.04	581	1	0.0058	2081	Pass
Violet	B	V450	81	43.51	470	0	0.0512	2332	Pass
Violet	A	V500	182	22.31	497	0	0.0153	370	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.56	-31.10	0.88
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.35
Red	17.93	14.40 - 21.60	N/A	N/A	30.96	31.43	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10506

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments